

Claims

1. (Withdrawn) A method of fabricating a plurality of circuit boards for receiving different sets of electrical devices from a plurality of raw boards of the same type, comprising:

5 forming respective networks of electrically conductive traces with a common layout on said raw boards, said networks each comprising a plurality of open circuits;

 loading respective pluralities of electrical device receivers on said boards;

10 loading respective electrical device controllers on said boards; and

 closing some of said open circuits, such that some of said boards have different patterns of closed circuits and thereby different interconnections between
15 their respective receivers and controllers.

2. (Withdrawn) The method of claim 1, wherein said loading of electrical device receivers, said loading of electrical device controllers and said closing open circuits are performed simultaneously.

3. (Withdrawn) The method of claim 1, wherein a common pattern of electrical device receivers is loaded onto each of said boards.

4. (Withdrawn) The method of claim 3, wherein each of said electrical device receivers is configured to receive a first type of electrical device, selected receivers on each board are also configured to receive a second type of
5 electrical device, at least one controller on each board is

configured to control said first type of electrical device,
and at least one controller on each board is configured to
control said second type of device.

5. (Withdrawn) The method of claim 4, further
comprising loading electrical devices into the receivers of
each board, with said second type of electrical device
loaded into all of said selected receivers on some of said
5 boards, and said first type of electrical device loaded
into at least some of said selected receivers on others of
said boards, wherein selected one of said open circuits are
closed such that each of said electrical devices on each
board is controlled through the network of traces on that
10 board by a correspondingly configured controller.

6. (Withdrawn) A method of fabricating a plurality of
circuit boards for receiving different sets of circuit
cards from a plurality of raw boards of the same type,
comprising:

5 forming respective networks of electrically
conductive traces with a common layout on said raw boards,
each of said networks comprising a common plurality of open
circuit resistor terminal pairs;

10 loading respective pluralities of pin receptacle
arrays and controllers in a common pattern on said boards;
and

15 loading zero ohm resistors across respective
terminal pairs on at least some of said boards
simultaneously with the loading of said pin receptacle
arrays and controllers on said at least some boards, such
that some of said boards have different patterns of zero

ohm resistors, and thereby different interconnections between their respective arrays and controllers.

5 7. (Withdrawn) The method of claim 6, wherein said pin receptacle arrays are each configured to receive a first type of circuit card, at least some of said arrays on each board are also configured to receive a second type of circuit card, at least one controller on each board is configured to control said first type of circuit cards, and at least one controller on each card is configured to control said second type of circuit card.

8. (Withdrawn) The method of claim 6, wherein at least some of said resistor terminal pairs are left open circuit.

9. (Withdrawn) The method of claim 6, wherein at least some of said resistor terminal pairs are provided between pin receptacle arrays on each board.

10. (Withdrawn) The method of claim 6, wherein at least some of said resistor terminal pairs are provided between controllers and pin receptacle arrays on each board.

11. (Cancelled)

12. (Currently Amended) The configurable circuit board of claim ~~11~~ 18, wherein the terminals of at least some of said sets are separated by open circuits.

13. (Currently Amended) The configurable circuit board of claim ~~11~~ 18, further comprising respective zero ohm

resistors short circuiting the terminals of at least some of said sets.

14. (Original) The configurable circuit board of claim 13, wherein the terminals of some of said sets are separated by open circuits.

15. (Currently Amended) The configurable circuit board of claim ~~11~~ 18, said receivers comprising respective arrays of pin receptacles.

16. (Original) The configurable circuit board of claim 15, at least some of said receivers having different numbers of pin receptacles.

17. (Original) The configurable circuit board of claim 16, wherein said receivers having different numbers of pin receptacles comprise a common core pin receptacle pattern.

18. (Previously Presented) A configurable circuit board, comprising:

a substrate;

5 a plurality of electrical device receivers on said substrate, at least some of said receivers for receiving a selectable one of multiple different electrical devices having different respective interfaces with said receivers;

10 a plurality of controllers on said substrate; and an electrically conductive interconnection network on said substrate interconnecting said controllers with said receivers, said network comprising sets of zero ohm resistor terminals that enable at least some of said

receivers to be connected to different controllers,
15 depending upon a pattern of zero ohm resistors connected
across said terminals, wherein at least some of said sets
of zero ohm resistor terminals are connected between
different receivers.

19. (Previously Presented) A configurable circuit
board, comprising:

a substrate;

5 a plurality of electrical device receivers on
said substrate, at least some of said receivers for
receiving a selectable one of multiple different electrical
devices having different respective interfaces with said
receivers;

a plurality of controllers on said substrate;

10 and

an electrically conductive interconnection
network on said substrate interconnecting said controllers
with said receivers, said network comprising sets of zero
ohm resistor terminals that enable at least some of said
15 receivers to be connected to different controllers,
depending upon a pattern of zero ohm resistors connected
across said terminals, wherein at least some of said sets
of zero ohm resistor terminals are connected between
respective controllers and respective receivers.

20. (Currently Amended) The configurable circuit board
of claim ~~11~~ 18, said circuit board comprising a computer
mother board.

21. (New) The configurable circuit board of claim 19, wherein the terminals of at least some of said sets are separated by open circuits.

22. (New) The configurable circuit board of claim 21, further comprising respective zero ohm resistors short circuiting the terminals of at least some of said sets.

23. (New) The configurable circuit board of claim 22, wherein the terminals of some of said sets are separated by open circuits.

24. (New) The configurable circuit board of claim 19, said receivers comprising respective arrays of pin receptacles.

25. (New) The configurable circuit board of claim 24, at least some of said receivers having different numbers of pin receptacles.

26. (New) The configurable circuit board of claim 25, wherein said receivers having different numbers of pin receptacles comprise a common core pin receptacle pattern.

27. (New) The configurable circuit board of claim 19, said circuit board comprising a computer mother board.